

National Aeronautics and  
Space Administration



# Heliophysics Big Year HPAC Brief

[go.nasa.gov/HelioBigYear](https://go.nasa.gov/HelioBigYear)

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## HELIOPHYSICS

# BIG YEAR

*The Sun will have a very Big Year from Oct 2023 – Dec 2024! And we want you to bring your joy and curiosity to this opportunity of a lifetime to participate with NASA Heliophysics!*

[go.nasa.gov/HelioBigYear](https://go.nasa.gov/HelioBigYear)

 Follow us [@NASASun](#) on Twitter and [@NASASunScience](#) on Facebook as we journey closer to our star

 Join us for solar eclipses in October 2023 and April 2024

 Do real science [@doNASAScience](#) with NASA citizen science as we rise to solar max



 **ATTN: Heliophysicists!**

Find out how you can participate with event planning activities, outreach, and funding around citizen science projects, contests, and more.

Email: [hq-heliobigyear@mail.nasa.gov](mailto:hq-heliobigyear@mail.nasa.gov)

 **Questions**

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*\*Inspired by the birding concept to view as many species of birds in one geography in one year!*

# The Heliophysics Big Year

*A human-centered, coupled system*



Join us for promotion:  
Dec 2022 @ AGU  
Jan 2023 Townhall @ AAS



# Citizen Science

An opportunity to reach a generation for Heliophysics

Citizen Science

ROSES B.21 – great responses to step 1 Citizen sci incentive for Helio SMEX Draft AO

**B.21 Heliophysics Citizen Science Investigations**

Number: NNH22ZDA001N-HCSI | Directorate: Science Mission Directorate | Type: NASA Research Announcement

Label	Date	Option
Release	Feb 14, 2022	
HCSI22 Step-1 Proposals Due	Aug 18, 2022	Create

**DRAFT Announcement of Opportunity**

**Heliophysics Explorers Program**

A growing & thriving community

New  
CSSFP &  
EPSCoR  
selections

~10 citsci  
whitepapers  
submitted to  
the Decadal  
Survey

Design Thinking  
for HBY Citizen  
Science

Participants: Visiting Gailfe, Nathaniel (Visiting Col)

Text cards on screen:

- John is a retired surgeon caring for his homebound wife, who loves astronomy as a kid in the house of eastern Tennessee, needs a way to feel connected to a community, has "retirement" in a way that makes them gain more knowledge/depth of his love for astronomy.
- Shauna, an astronomy educator at a large museum whose program is focused on solar science, needs a way to serve both volunteers and the general public in a way that makes them feel interested and confident sharing their knowledge.
- Sem, a UCLA grad student who is tech savvy and loves to learn new things, needs an onboarding and training experience that sets the right expectations so that they can feel confident, successful and rewarded.
- Hannahella, an experienced astrophotographer from the UK who is adjusting to new disabilities, needs a way to accessibly engage with citizen science such that she can continue to be an active part of the community.
- Kyle is a photographer and busy dad with 2 young kids on the eclipse path in Vermont who is likely to have a fun event for friends, and setup to participate in a project or two so long as it doesn't take too much time.
- Chris is a generous admin of a large group far from the eclipse path who enjoys helping people starting from the ground up and answering questions regionally (and beyond) and speaking out unique points of view.
- Cayle, a mother of three young children who lives in a mid-urban suburb every week, needs a way to see the sun and engage her kids in science so that they feel empowered to actively grow and participate in science, while being compatible with their bedtime and scheduling needs.
- Job, the volunteer lead of a local amateur astronomy club, needs resources to share with local teachers in a way that makes them feel confident integrating eclipse science into their curriculum.
- Ellen, an enthusiastic docent at a regional science museum, needs a way to engage visitors with the science of the eclipse in a way that satisfies and rewards visitors no matter the weather on the actual eclipse.
- Steve, a business owner of a artisan company who is passionate about solar science, needs a way to learn more, build and operate his own solar observatory, needs a way to share his passion in a way that makes them feel they are contributing science-quality data and research to the science community.
- Teri, a multi-talented artist and scientist, who is a dedicated observer to atmospheric and celestial phenomena, needs a way to validate and improve the quality of his observations in a way that makes them feel connected to science, allowing new discoveries, and giving them purpose in life.
- Christian is a trained six sigma forecaster and night sky lover only moved to Ohio, who has interest in multiple projects and seeks to advance collective consciousness/awareness with his work and engage mental health benefits from practices of advancing skill and influence.
- Patrick, a Network IT professional and musician who is an expert team solar science hobbyist and volunteer summer coordinator in Massachusetts, needs a way to onboard new team rain holidays then understand their demographics in a way that makes them feel belonging, community, and connection.
- Sally, a single, middle aged woman looking for community and proposal, needs information on citizen science opportunities so she can choose a project that suits her needs in a way that makes her feel excited, confident, and welcome to take on new challenges.

# How you can participate today



If you have tie-ins, activities or ideas you would like to suggest for the HBY, email us at:

[hq-heliobigyear@mail.nasa.gov](mailto:hq-heliobigyear@mail.nasa.gov)

If you're hosting a conference or community meeting, please invite us!